

Title (en)  
DEVICE FOR CONNECTING A WIPER ARM TO A WIPER BLADE AND WIPER ARM AND WIPER BLADE USING SUCH A DEVICE

Title (de)  
VORRICHTUNG ZUM VERBINDEN EINES WISCHERARMS MIT EINEM WISCHBLATT SOWIE WISCHERARM UND WISCHBLATT UNTER VERWENDUNG EINER SOLCHEN VORRICHTUNG

Title (fr)  
DISPOSITIF DE CONNEXION D'UN BRAS D'ESSUIE-GLACE A UN BALAI D'ESSUIE-GLACE ET BRAS D'ESSUIE-GLACE ET BALAI D'ESSUIE-GLACE FAISANT INTERVENIR UN TEL DISPOSITIF

Publication  
**EP 1332076 A1 20030806 (DE)**

Application  
**EP 01988672 A 20011026**

Priority  
• DE 0104020 W 20011026  
• DE 10053602 A 20001028

Abstract (en)  
[origin: WO0234595A1] A jointless wiper blade (10), in particular for a motor vehicle is disclosed, comprising at least one support element (14), at least one wiper lip (12), connected to the at least one support element (14) and a connecting means (16), connected to the support element (14), for connecting the wiper blade (10) to a wiper arm (18), whereby the connecting means (16) comprises a clasp piece (20) and a grooved piece (24).

IPC 1-7  
**B60S 1/40**

IPC 8 full level  
**B60S 1/32** (2006.01); **B60S 1/38** (2006.01); **B60S 1/40** (2006.01)

CPC (source: EP KR US)  
**B60S 1/32** (2013.01 - EP US); **B60S 1/38** (2013.01 - EP US); **B60S 1/3856** (2013.01 - EP US); **B60S 1/40** (2013.01 - KR); **B60S 1/4038** (2013.01 - EP US); **B60S 1/4041** (2013.01 - EP US); **B60S 2001/382** (2013.01 - EP US)

Citation (search report)  
See references of WO 0234593A1

Cited by  
WO2017119853A1

Designated contracting state (EPC)  
DE ES FR IT

DOCDB simple family (publication)  
**WO 0234595 A1 20020502**; AU 1814602 A 20020506; AU 2050202 A 20020506; AU 2050402 A 20020506; AU 2050502 A 20020506; AU 2050602 A 20020506; CN 1205078 C 20050608; CN 1211233 C 20050720; CN 1471481 A 20040128; CN 1471482 A 20040128; DE 10194661 D2 20031009; DE 10194663 D2 20031002; DE 10194664 D2 20031002; DE 10194665 B4 20170209; DE 10194665 D2 20031009; DE 10194667 D2 20031002; DE 50104852 D1 20050120; DE 50106817 D1 20050825; DE 50107150 D1 20050922; DE 50109643 D1 20060601; DE 50111111 D1 20061109; EP 1332075 A1 20030806; EP 1332075 B1 20041215; EP 1332076 A1 20030806; EP 1332076 B1 20060426; EP 1332077 A1 20030806; EP 1332077 B1 20050720; EP 1332078 A1 20030806; EP 1332078 B1 20050817; EP 1334014 A1 20030813; EP 1334014 B1 20060927; ES 2234921 T3 20050701; ES 2243582 T3 20051201; JP 2004512223 A 20040422; JP 2004512224 A 20040422; JP 2007326577 A 20071220; JP 4041398 B2 20080130; JP 4571965 B2 20101027; KR 100808570 B1 20080229; KR 20030041137 A 20030523; US 2003182753 A1 20031002; US 2004019997 A1 20040205; US 2004025281 A1 20040212; US 6966096 B2 20051122; US 7143463 B2 20061205; US 7581279 B2 20090901; WO 0234590 A1 20020502; WO 0234592 A1 20020502; WO 0234593 A1 20020502; WO 0234594 A1 20020502

DOCDB simple family (application)  
**DE 0104025 W 20011026**; AU 1814602 A 20011026; AU 2050202 A 20011026; AU 2050402 A 20011026; AU 2050502 A 20011026; AU 2050602 A 20011026; CN 01818151 A 20011026; CN 01818152 A 20011026; DE 0104017 W 20011026; DE 0104019 W 20011026; DE 0104020 W 20011026; DE 0104021 W 20011026; DE 10194661 T 20011026; DE 10194663 T 20011026; DE 10194664 T 20011026; DE 10194665 T 20011026; DE 10194667 T 20011026; DE 50104852 T 20011026; DE 50106817 T 20011026; DE 50107150 T 20011026; DE 50109643 T 20011026; DE 50111111 T 20011026; EP 01988669 A 20011026; EP 01988671 A 20011026; EP 01988672 A 20011026; EP 01988673 A 20011026; EP 01988674 A 20011026; ES 01988671 T 20011026; ES 01988673 T 20011026; JP 2002537602 A 20011026; JP 2002537604 A 20011026; JP 2007238377 A 20070913; KR 20037003295 A 20030305; US 39806403 A 20030331; US 39950903 A 20030417; US 39958803 A 20030418